



03500.102556.sequence listing.txt

SEQUENCE LISTING

<110> CANON KABUSHIKI KAISHA, et al.

<120> Kit for immobilizing organic substance, organic substance-immobilized structure, and manufacturing methods therefor

<130> 10002556W001

<150> JP2004-016858

<151> 2004-01-26

<160> 181

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<212> PRT

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<211> 12

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<213> Artificial Sequence

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<223> anodisk membrane-binding peptide

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<212> PRT
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His Leu Gln Ser Met Lys Pro Arg Thr His Val Leu
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<210> 23  
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<212> PRT  
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<210> 24  
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<400> 27
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<211> 12
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<400> 28
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<210> 29
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<400> 29
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<212> PRT  
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<400> 32  
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<210> 33  
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 <213> Pseudomonas cichorii  
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<400> 33  
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 aagaacgtac tgctgggtaa atccgggctg caaccgacca gcgatgaccg tcgcttcgcc 240  
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 gggcacttcg tgatcaacct catgaccgaa gccatggcgc cgaccaaacac cgcggccaac 420  
 ccggcggcag tcaaacgctt tttcgaaacc ggtggcaaaa gcctgctcga cggcctctcg 480  
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 acttgaccg cgctgctggg ccattacgcg gcgattggcg aaaacaaggt caacgccctg 960  
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gaacagaccc ttgaagccgc caagcgccac tcgtaccagg cggcggtact ggaaggccgc 1080
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cactggcagg cctggcaggc ccaacgctcg ggcgagctga aaaagtcccc gacaaaactg 1620
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<210> 34
<211> 1683
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<213> Pseudomonas cichorii
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<223> Pseudomonas cichorii YN2 ; FERM BP-7375

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gcgcacttcg cgttcgccct gctcaacgat gccgtgtcmc cgtccaacag cctgctcaat 420
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## 03500.102556.sequence listing.txt

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cgcgacatgg ccaagggtttt cgcctggatg cgccccaacg atttgatctg gagctacttc 1140
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gacaacacac gcctgccggc cgccctgcat ggtgacttgc tggacttctt caagcacaac 1260
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ctaagcagcg accccagggc ctggtactac gacgccaagc ccgtcgacgg tagctggtgg 1560
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tga 1683

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<210> 35
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<212> PRT
<213> Pseudomonas cichorii YN2 ; FERM BP-7375

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35 40 45
Ser Val Lys His Val Ala His Phe Gly Leu Glu Leu Lys Asn Val Leu
50 55 60
Leu Gly Lys Ser Gly Leu Gln Pro Thr Ser Asp Asp Arg Arg Phe Ala
65 70 75 80
Asp Pro Ala Trp Ser Gln Asn Pro Leu Tyr Lys Arg Tyr Leu Gln Thr
85 90 95
Tyr Leu Ala Trp Arg Lys Glu Leu His Asp Trp Ile Asp Glu Ser Asn
100 105 110
Leu Ala Pro Lys Asp Val Ala Arg Gly His Phe Val Ile Asn Leu Met
115 120 125
Thr Glu Ala Met Ala Pro Thr Asn Thr Ala Ala Asn Pro Ala Ala Val
130 135 140
Lys Arg Phe Phe Glu Thr Gly Gly Lys Ser Leu Leu Asp Gly Leu Ser
145 150 155 160
His Leu Ala Lys Asp Leu Val His Asn Gly Gly Met Pro Ser Gln Val

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## 03500.102556.sequence listing.txt

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165
Asn Met Gly Ala Phe Glu Val Gly Lys Ser Leu Gly Val Thr Glu Gly
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195
Thr Thr Glu Gln Val Tyr Glu Arg Pro Leu Leu Val Val Pro Pro Gln
210
Ile Asn Lys Phe Tyr Val Phe Asp Leu Ser Pro Asp Lys Ser Leu Ala
225
Arg Phe Cys Leu Arg Asn Asn Val Gln Thr Phe Ile Val Ser Trp Arg
245
Asn Pro Thr Lys Glu Gln Arg Glu Trp Gly Leu Ser Thr Tyr Ile Glu
260
Ala Leu Lys Glu Ala Val Asp Val Val Thr Ala Ile Thr Gly Ser Lys
275
Asp Val Asn Met Leu Gly Ala Cys Ser Gly Gly Ile Thr Cys Thr Ala
290
Leu Leu Gly His Tyr Ala Ala Ile Gly Glu Asn Lys Val Asn Ala Leu
305
Thr Leu Leu Val Ser Val Leu Asp Thr Thr Leu Asp Ser Asp Val Ala
325
Leu Phe Val Asn Glu Gln Thr Leu Glu Ala Ala Lys Arg His Ser Tyr
340
Gln Ala Gly Val Leu Glu Gly Arg Asp Met Ala Lys Val Phe Ala Trp
355
Met Arg Pro Asn Asp Leu Ile Trp Asn Tyr Trp Val Asn Asn Tyr Leu
370
Leu Gly Asn Glu Pro Pro Val Phe Asp Ile Leu Phe Trp Asn Asn Asp
385
Thr Thr Arg Leu Pro Ala Ala Phe His Gly Asp Leu Ile Glu Leu Phe
405
Lys Asn Asn Pro Leu Ile Arg Pro Asn Ala Leu Glu Val Cys Gly Thr
420
Pro Ile Asp Leu Lys Gln Val Thr Ala Asp Ile Phe Ser Leu Ala Gly
435
Thr Asn Asp His Ile Thr Pro Trp Lys Ser Cys Tyr Lys Ser Ala Gln
450
Leu Phe Gly Gly Asn Val Glu Phe Val Leu Ser Ser Ser Gly His Ile
465
Gln Ser Ile Leu Asn Pro Pro Gly Asn Pro Lys Ser Arg Tyr Met Thr
485
Ser Thr Glu Val Ala Glu Asn Ala Asp Glu Trp Gln Ala Asn Ala Thr

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## 03500.102556.sequence listing.txt

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505

510

Lys His Thr Asp Ser Trp Trp Leu His Trp Gln Ala Trp Gln Ala Gln  
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Arg Ser Gly Glu Leu Lys Lys Ser Pro Thr Lys Leu Gly Ser Lys Ala  
530 535 540

Tyr Pro Ala Gly Glu Ala Ala Pro Gly Thr Tyr Val His Glu Arg  
545 550 555

&lt;210&gt; 36

&lt;211&gt; 560

&lt;212&gt; PRT

&lt;213&gt; Pseudomonas cichorii YN2 ; FERM BP-7375

&lt;400&gt; 36

Met Arg Asp Lys Pro Ala Arg Glu Ser Leu Pro Thr Pro Ala Lys Phe  
1 5 10 15

Ile Asn Ala Gln Ser Ala Ile Thr Gly Leu Arg Gly Arg Asp Leu Val  
20 25 30

Ser Thr Leu Arg Ser Val Ala Ala His Gly Leu Arg His Pro Val His  
35 40 45

Thr Ala Arg His Ala Leu Lys Leu Gly Gly Gln Leu Gly Arg Val Leu  
50 55 60

Leu Gly Asp Thr Leu His Pro Thr Asn Pro Gln Asp Arg Arg Phe Asp  
65 70 75 80

Asp Pro Ala Trp Ser Leu Asn Pro Phe Tyr Arg Arg Ser Leu Gln Ala  
85 90 95

Tyr Leu Ser Trp Gln Lys Gln Val Lys Ser Trp Ile Asp Glu Ser Asn  
100 105 110

Met Ser Pro Asp Asp Arg Ala Arg Ala His Phe Ala Phe Ala Leu Leu  
115 120 125

Asn Asp Ala Val Ser Pro Ser Asn Ser Leu Leu Asn Pro Leu Ala Ile  
130 135 140

Lys Glu Ile Phe Asn Ser Gly Gly Asn Ser Leu Val Arg Gly Ile Gly  
145 150 155 160

His Leu Val Asp Asp Leu Leu His Asn Asp Gly Leu Pro Arg Gln Val  
165 170 175

Thr Arg His Ala Phe Glu Val Gly Lys Thr Val Ala Thr Thr Thr Gly  
180 185 190

Ala Val Val Phe Arg Asn Glu Leu Leu Glu Leu Ile Gln Tyr Lys Pro  
195 200 205

Met Ser Glu Lys Gln Tyr Ser Lys Pro Leu Leu Val Val Pro Pro Gln  
210 215 220

Ile Asn Lys Tyr Tyr Ile Phe Asp Leu Ser Pro His Asn Ser Phe Val  
225 230 235 240

Gln Phe Ala Leu Lys Asn Gly Leu Gln Thr Phe Val Ile Ser Trp Arg  
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Asn Pro Asp Val Arg His Arg Glu Trp Gly Leu Ser Thr Tyr Val Glu
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Ala Val Glu Glu Ala Met Asn Val Cys Arg Ala Ile Thr Gly Ala Arg
      275      280      285
Glu Val Asn Leu Met Gly Ala Cys Ala Gly Gly Leu Thr Ile Ala Ala
      290      295      300
Leu Gln Gly His Leu Gln Ala Lys Arg Gln Leu Arg Arg Val Ser Ser
      305      310      315      320
Ala Thr Tyr Leu Val Ser Leu Leu Asp Ser Gln Leu Asp Ser Pro Ala
      325      330      335
Thr Leu Phe Ala Asp Glu Gln Thr Leu Glu Ala Ala Lys Arg Arg Ser
      340      345      350
Tyr Gln Lys Gly Val Leu Glu Gly Arg Asp Met Ala Lys Val Phe Ala
      355      360      365
Trp Met Arg Pro Asn Asp Leu Ile Trp Ser Tyr Phe Val Asn Asn Tyr
      370      375      380
Leu Met Gly Lys Glu Pro Pro Ala Phe Asp Ile Leu Tyr Trp Asn Asn
      385      390      395      400
Asp Asn Thr Arg Leu Pro Ala Ala Leu His Gly Asp Leu Leu Asp Phe
      405      410      415
Phe Lys His Asn Pro Leu Ser His Pro Gly Gly Leu Glu Val Cys Gly
      420      425      430
Thr Pro Ile Asp Leu Gln Lys Val Thr Val Asp Ser Phe Ser Val Ala
      435      440      445
Gly Ile Asn Asp His Ile Thr Pro Trp Asp Ala Val Tyr Arg Ser Thr
      450      455      460
Leu Leu Leu Gly Gly Glu Arg Arg Phe Val Leu Ala Asn Ser Gly His
      465      470      475      480
Val Gln Ser Ile Leu Asn Pro Pro Asn Asn Pro Lys Ala Asn Tyr Leu
      485      490      495
Glu Gly Ala Lys Leu Ser Ser Asp Pro Arg Ala Trp Tyr Tyr Asp Ala
      500      505      510
Lys Pro Val Asp Gly Ser Trp Trp Thr Gln Trp Leu Gly Trp Ile Gln
      515      520      525
Glu Arg Ser Gly Ala Gln Lys Glu Thr His Met Ala Leu Gly Asn Gln
      530      535      540
Asn Tyr Pro Pro Met Glu Ala Ala Pro Gly Thr Tyr Val Arg Val Arg
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&lt;210&gt; 37

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

03500.102556.sequence listing.txt

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<220>
<223> Primer for PCR multiplication

<400> 37
tgctggaact gatccagtac                                     20

<210> 38
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<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 38
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<210> 39
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<223> Primer for PCR multiplication

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<210> 40
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<220>
<223> Primer for PCR multiplication

<400> 40
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<223> Primer for PCR multiplication

<400> 41
ggaccaagct tctcgtctca gggcaatgg                           29

<210> 42
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<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

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03500.102556.sequence listing.txt

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<212> DNA
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<220>
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<400> 45
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<210> 46
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<400> 46
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<210> 47
<211> 58
<212> DNA
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<220>
<223> Coding chain for peptide of SEQ ID:1

<400> 47
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<210> 48
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:1

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03500.102556.sequence listing.txt

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<400> 48
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<210> 49
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:2

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<210> 50
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<223> Complimentary chain for ssDNA of SEQ ID:2

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<210> 51
<211> 58
<212> DNA
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<223> Coding chain for peptide of SEQ ID:3

<400> 51
gatcctttat gaatcatcat ccgaattcgc agcagtatca tggtaggaggt tcggagct  58

<210> 52
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:3

<400> 52
ccgaacctcc accatgatac tgctgcgaat tcggatgatg attcataaag      50

<210> 53
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:4

<400> 53
gatcccagta tacgtcgtcg ggtattatta cgtcgtctgc tggtaggaggt tcggagct  58

<210> 54
<211> 50
<212> DNA
<213> Artificial Sequence

```

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```

<220>
<223> Complimentary chain for ssDNA of SEQ ID:4

<400> 54
ccgaacctcc accagcagac gacgtaataa tacccgacga cgtatactgg      50

<210> 55
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:5

<400> 55
gatcccgacc gcatatgcat cggagtcttc atcaggatgg ggggtggaggt tcggagct      58

<210> 56
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:5

<400> 56
ccgaacctcc acccccatcc tgatgagaac tccgatgcat atgcggctgg      50

<210> 57
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:6

<400> 57
gatccaatac tactatgggg ccgatgagtc ctcatagtca ggggtggaggt tcggagct      58

<210> 58
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:6

<400> 58
ccgaacctcc accctgacta tgaggactca tcggcccat agtagtattg      50

<210> 59
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:7

<400> 59
gatcccatca tcatccggag aatttggatt ctacttttca ggggtggaggt tcggagct      58

<210> 60

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<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:7

<400> 60
ccgaacctcc accctgaaaa gtagaatcca aattctccgg atgatgatgg      50

<210> 61
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:8

<400> 61
gatccgctgc tcattttgag cctcagacta tgcctatgat tgggtggaggt tcggagct      58

<210> 62
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:8

<400> 62
ccgaacctcc accaatcata ggcatagtct gaggctcaaa atgagcagcg      50

<210> 63
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:9

<400> 63
gatccgatca tcagcttcat cgtcctccgc atatgatgag ggggtggaggt tcggagct      58

<210> 64
<211> 50
<212> DNA
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<220>
<223> Complimentary chain for ssDNA of SEQ ID:9

<400> 64
ccgaacctcc acccctcatc atatgcggag gacgatgaag ctgatgatcg      50

<210> 65
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:10

<400> 65

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gatccgtttc gcgtcatcag tcgtggcatc cgcgatctt tggaggaggt tcggagct 58

<210> 66  
 <211> 50  
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 <213> Artificial Sequence

<220>  
 <223> Complimentary chain for ssDNA of SEQ ID:10

<400> 66  
 ccgaacctcc accaagatca tgcggatgcc acgactgatg acgcgaaacg 50

<210> 67  
 <211> 58  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Coding chain for peptide of SEQ ID:11

<400> 67  
 gatccatgat gcagagggat catcatcagc ataatgcgca gggaggaggt tcggagct 58

<210> 68  
 <211> 50  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Complimentary chain for ssDNA of SEQ ID:11

<400> 68  
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<210> 69  
 <211> 58  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Coding chain for peptide of SEQ ID:12

<400> 69  
 gatccgttac tcttcatacg gtggatcatg cgccgcaaga tggaggaggt tcggagct 58

<210> 70  
 <211> 50  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Complimentary chain for ssDNA of SEQ ID:12

<400> 70  
 ccgaacctcc accatcttgc ggcgcatgat ccaccgatg aagagtaacg 50

<210> 71  
 <211> 58  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Coding chain for peptide of SEQ ID:13

<400> 71  
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<210> 72

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Complimentary chain for ssDNA of SEQ ID:13

<400> 72  
ccgaacctcc accaggccta ggactcggct tcataccac agaaacagag 50

<210> 73

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Coding chain for peptide of SEQ ID:14

<400> 73  
gatcccatct tcagtctatg aagcctcgta ctcatgtgtt ggggtggaggt tcggagct 58

<210> 74

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Complimentary chain for ssDNA of SEQ ID:14

<400> 74  
ccgaacctcc acccaacaca tgagtacgag gcttcataga ctgaagatgg 50

<210> 75

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Coding chain for peptide of SEQ ID:15

<400> 75  
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<210> 76

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Complimentary chain for ssDNA of SEQ ID:15

<400> 76  
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<210> 77

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Coding chain for peptide of SEQ ID:16

<400> 77

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<210> 78

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Complimentary chain for ssDNA of SEQ ID:16

<400> 78

ccgaacctcc accaagatca tgcggatgcc acgaactgat gacgcgaacg 50

<210> 79

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Coding chain for peptide of SEQ ID:17

<400> 79

gatccacggt gccgatttat aatacgggga ttttgaggac ggggtggaggt tcggagct 58

<210> 80

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Complimentary chain for ssDNA of SEQ ID:17

<400> 80

ccgaacctcc acccgctctc aaaatccccg tattataaat cggcaccgtg 50

<210> 81

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Coding chain for peptide of SEQ ID:18

<400> 81

gacctatac tatgcatcat gggtcgacgt ttatacggcg ggggtggaggt tcggagct 58

<210> 82

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Complimentary chain for ssDNA of SEQ ID:18

<400> 82

ccgaacctcc accccgccgt ataaacgtcg acccatgatg catagtatatag 50

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<210> 83
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> coding chain for peptide of SEQ ID:19

<400> 83
gatcctcgat gatgcatgtg aatattcgtc tcgggattct tggaggaggt tcggagct 58

<210> 84
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:19

<400> 84
ccgaacctcc accaagaatc ccgagacgaa tattcacatg catcatcgag 50

<210> 85
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:20

<400> 85
gatccgcgcc gatgcatcat atgaagagtc tgtatcgggc gggaggaggt tcggagct 58

<210> 86
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:20

<400> 86
ccgaacctcc acccgcccga tacagactct tcatatgatg catcggcgcg 50

<210> 87
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> coding chain for peptide of SEQ ID:21

<400> 87
gatccatgat gcagagggat catcatcagc atatgcgcag gggaggaggt tcggagct 58

<210> 88
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:21

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03500.102556.sequence listing.txt

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<400> 88
ccgaacctcc acccctgcgc atatgctgat gatgatccct ctgcatcatg    50

<210> 89
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> coding chain for peptide of SEQ ID:22

<400> 89
gatccatgaa gactcatcat ggtaataatg cggtgtttct ggggtggaggt tcggagct    58

<210> 90
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:22

<400> 90
ccgaacctcc acccagaaac accgcattat taccatgatg agtcttcatg    50

<210> 91
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> coding chain for peptide of SEQ ID:23

<400> 91
gatccttgga gccgcttcct catactcctc ggatgtatgc ggggtggaggt tcggagct    58

<210> 92
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:23

<400> 92
ccgaacctcc acccgcatat atccgaggag tatgaggaag cggctccaag    50

<210> 93
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> coding chain for peptide of SEQ ID:24

<400> 93
gatcccagct gtatgagcct gattctgggc cgtgggctcc ggggtggaggt tcggagct    58

<210> 94
<211> 50
<212> DNA
<213> Artificial Sequence

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<220>
<223> Complimentary chain for ssDNA of SEQ ID:24

<400> 94
ccgaacctcc acccgagacc cacggcccag aatcaggctc atacagctgg      50

<210> 95
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:25

<400> 95
gatcctggat gactaagatg cctactacgc atactaggtg tggaggaggt tcggagct      58

<210> 96
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:25

<400> 96
ccgaacctcc accataccta gtatgcgtag taggcatctt agtcatccag      50

<210> 97
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:26

<400> 97
gatcccatca tcctatgtat tctatgacta gggcggtgcc tggaggaggt tcggagct      58

<210> 98
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:26

<400> 98
ccgaacctcc accaggcaac gccctagtca tagaatacat aggatgatgg      50

<210> 99
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:27

<400> 99
gatccggtag tgctcattct cggaatgatg ctgctcctgt gggaggaggt tcggagct      58

<210> 100
<211> 50

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<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:27

<400> 100
ccgaacctcc acccacagga gcagcatcat tccgagaatg agcactaccg 50

<210> 101
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:28

<400> 101
gatcccatc gcctttgatg cagtatcata tgtcgggtac ggggtggaggt tcggagct 58

<210> 102
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:28

<400> 102
ccgaacctcc acccgtagcc gacatatgat actgcatcaa aggcgaatgg 50

<210> 103
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:29

<400> 103
gacccatgc gcatatgacg atgccgtctc ggtttttgcc ggggtggaggt tcggagct 58

<210> 104
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:29

<400> 104
ccgaacctcc acccggcaaa aaccgagacg gcacgtcat atgcgcatag 50

<210> 105
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:30

<400> 105
gatccgcttg tccgcctacg cagtctcggg attgcgggtg aggttcggag ct 52

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<210> 106
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:30

<400> 106
ccgaacctcc accgcaatac cgagactgcg taggcggaca agcg      44

<210> 107
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:31

<400> 107
gatccgcttg taatggcatg ttggcctttc agtgcggtgg aggttcggag ct  52

<210> 108
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:31

<400> 108
ccgaacctcc accgcactga aaggccaaca tgccattaca agcg      44

<210> 109
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:32

<400> 109
gatccgcttg tacgccgaag ccgggcaagc attgcggtgg aggttcggag ct  52

<210> 110
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:32

<400> 110
ccgaacctcc accgcaatgc ttgcccggct tcggcggtaca agcg      44

<210> 111
<211> 972
<212> DNA
<213> Artificial Sequence

<220>
<223> HPR coding artificial sense-sequence

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<400> 111
gtttatgcc accaaacccc accaagcaag gcgaggggtg gaggttcgca acttaccct 60
accttctacg acaattcatg tcctaattg tctaactcg tacgggatac tattgtcaat 120
gagctaagat cagaccctcg tattgccgag agcatccttc gtcttcactt ccacgactgc 180
tttggttaatg gttgtgacgc atcgatcttg ttagacaaca caacatcatt tcgaacagag 240
aaagatgcgt ttggaaacgc aaactcggca agaggatttc cagtgattga tagaatgaaa 300
gccgcgggtg agagtgcag cccaagaacc gtttcatgag cagatttgct caccattgca 360
gctcaacaat ctgtcacttt ggcgggaggt ctttcttgga gagttccttt gggcagaaga 420
gatagcttac aagcatttct ggatcttgct aatgcaaact ttccagctcc attcttcaca 480
cttcacacac ttaaagacag ctttagaaat gttggcctca accgttcttc tgatctcggt 540
gcaactgtccg ggggccacac atttggtaaa aatcagtgtc gggtttattat ggacagatta 600
tacaacttca gcaacaccgg tttaccgat cctactctca acactactta tctccaaact 660
cttcgtggac tatgtcccct caatggtaat ctaagcgctt tgggtgattt tgatctacgt 720
acgccaacga tttttgacaa caaatactat gtgaatctcg aagaggaaaa aggacttatt 780
caaagcgacc aagagttggt ctctagcccc aatgccactg acacaatccc tttggtgaga 840
tcatttgcta atagcacaca aacattcttc aatgcatttg tggaggcgat ggataggatg 900
ggaaacatta cacctcttac aggaactcaa ggacagatca ggttgaattg taggggtggtg 960
aactccaact ct 972
```

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<210> 112
<211> 120
<212> DNA
<213> Artificial Sequence
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```
<220>
<223> Primer for PCR multiplication
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```
<400> 112
gtttatgcc accaaacccc accaagcaag gcgaggggtg gaggttcgca acttaccct 60
accttctacg acaattcatg tcctaattg tctaactcg tacgggatac tattgtcaat 120
```

```
<210> 113
<211> 30
<212> DNA
<213> Artificial Sequence
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```
<220>
<223> Primer for PCR multiplication
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```
<400> 113
gtttatgcc accaaacccc accaagcaag 30
```

```
<210> 114
<211> 120
<212> DNA
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<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 114

tgttgtctaa caagatcgat gcgtcacaac cattaacaaa gcagtcgtgg aagtgaagac 60

gaaggatgct cgcggcaata cgagggtctg atcttagctc attgacaata gtatcccgtg 120

<210> 115

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 115

tgttgtctaa caagatcgat gcgtcacaac 30

<210> 116

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 116

atcgatcttg ttagacaaca caacatcatt tcgaacagag aaagatgcgt ttggaaacgc 60

aaactcggca agaggatttc cagtgattga tagaatgaaa gccgcggtgg agagtgcgtg 120

<210> 117

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 117

atcgatcttg ttagacaaca caacatcatt 30

<210> 118

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 118

tcttctgccc aaaggaactc tccaagaagg acctcccgcc aaagtgacag attgttgagc 60

tgcaatggtg agcaaatctg cgcataaaac gggtcttggg catgcactct ccaccgcggc 120

<210> 119

<211> 30

<212> DNA

<213> Artificial Sequence

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<220>
<223> Primer for PCR multiplication

<400> 119
tcttctgccc aaaggaactc tccaagaagg 30

<210> 120
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 120
gagttccttt gggcagaaga gatagcttac aagcatttct ggatcttgct aatgcaaadc 60
ttccagctcc attcttcaca ctccacaac ttaaagacag ctttagaaat gttggcctca 120

<210> 121
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 121
gagttccttt gggcagaaga gatagcttac 30

<210> 122
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 122
ccggtgttgc tgaagttgta taatctgtcc ataataaacc gacactgatt tttaccaaad 60
gtgtggcccc cggacagtgc aacgagatca gaagaacggt tgaggccaac atttctaaag 120

<210> 123
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 123
ccggtgttgc tgaagttgta taatctgtcc 30

<210> 124
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 124

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tacaacttca gcaacaccgg tttaaccgat cctactctca acactactta tctccaaact 60

cttcgtggac tatgtcccct caatggtaat ctaagcgctt tgggtggattt tgatctacgt 120

<210> 125

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 125

tacaacttca gcaacaccgg tttaaccgat 30

<210> 126

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 126

cagtggcatt ggggctagag aacaactctt ggtcgctttg gataagtcct ttttcctctt 60

cgagattcac atagtatttg ttgtcaaaaa tcgttggcgt acgtagatca aaatccacca 120

<210> 127

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 127

cagtggcatt ggggctagag aacaactctt 30

<210> 128

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 128

ctctagcccc aatgccactg acacaatccc ttggtgaga tcatttgcta atagcacaca 60

aacattcttc aatgcatttg tggaggcgat ggataggatg ggaaacatta cacctcttac 120

<210> 129

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 129

ctctagcccc aatgccactg acacaatccc 30

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```

<210> 130
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 130
agagttggag ttcaccaccc tacaattcaa cctgatctgt ccttgagttc ctgtaagagg 60
tgtaatgttt cc      72

<210> 131
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 131
agagttggag ttcaccaccc tacaattcaa 30

<210> 132
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 132
agtcggatcc gtttatgcga atcagactcc gccttctaag gcgcggggtg gaggttcg 58

<210> 133
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 133
aggcctcgag agagttggag ttcaccaccc taca 34

<210> 134
<211> 1695
<212> DNA
<213> Artificial Sequence

<220>
<223> GroEL coding artificial sense-sequence

<400> 134
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gacgtaaaat tcggtaacga cgctcgtgtg aaaatgctgc gcggcgtaaa cgtactggca 120
gatgcagtga aagttaccct cggtcacaaa ggccgtaacg tagttctgga taaatctttc 180
ggtgcaccga ccatcaccaa agatggtgtt tccgttgctc gtgaaatcga actggaagac 240

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## 03500.102556.sequence listing.txt

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aagttcgaaa atatgggtgc gcagatggtg aaagaagttg cctctaaagc aaacgacgct 300
gcaggcgacg gtaccaccac tgcaaccgta ctggctcagg ctatcatcac tgaaggtctg 360
aaagctgttg ctgcgggcat gaacccgatg gacctgaaac gtggtatcga caaagcggtt 420
accgctgcag ttgaagaact gaaagcgctg tccgtaccat gctctgactc taaagcgatt 480
gctcaggttg gtaccatctc cgctaactcc gacgaaaccg taggtaaact gatcgctgaa 540
gcgatggaca aagtcggtaa agaaggcggt atcaccgttg aagacggtac cggctctgcag 600
gacgaactgg acgtgggtga aggtatgcag ttcgaccgtg gctacctgtc tccttacttc 660
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aagaaaatct ccaacatccg cgaaatgctg ccggttcttg aagctgttgc caaagcaggc 780
aaaccgctgc ttatcatcgc tgaagatgta gaaggcgaag cgctggcaac tgctgttggt 840
aacaccattc gtggcatcgt gaaagtcgct gcggttaaag caccgggctt cggcgatcgt 900
cgtaaagcta tgctgcagga tatcgcaacc ctgactggcg gtaccgtgat ctctgaagag 960
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cgtgcaatgg aagctccgct gcgtcagatc gtattgaact gcggcgaaga accgtctgtt 1440
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tacggcaaca tgatcgacat gggtatcctg gaccaacca aagtaactcg ttctgctctg 1560
cagtacgcag cttctgtggc tggcctgatg atcaccaccg aatgcatggt taccgacctg 1620
ccgaaaaacg atgcagctga cttaggcgct gctggcggtg tgggcggcat gggtggtcatg 1680
ggcggcatga tgtaa 1695

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&lt;210&gt; 135

&lt;211&gt; 120

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Primer for PCR multiplication

&lt;400&gt; 135

gtttatgcga atcagactcc gccttctaag gcgcggggtg gaggttcgat ggcagctaaa 60

gacgtaaaat tcggtaacga cgctcgtgtg aaaatgctgc gcggcgtaaa cgtactggca 120

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<210> 136
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 136
gtttatgcga atcagactcc gccttctaag 30

<210> 137
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 137
gagcaacgga aacaccatct ttggtgatgg tcggtgcacc gaaagattta tccagaacta 60
cgttacggcc ttttgaccg agggtaacct tcaatgcac tgccagtacg tttacgccgc 120

<210> 138
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 138
gagcaacgga aacaccatct ttggtgatgg 30

<210> 139
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 139
agatggtggt tccgttgctc gtgaaatcga actggaagac aagttcgaaa atatgggtgc 60
gcagatggtg aaagaagttg cctctaaagc aaacgacgct gcaggcgacg gtaccaccac 120

<210> 140
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 140
agatggtggt tccgttgctc gtgaaatcga 30

<210> 141
<211> 120
<212> DNA
<213> Artificial Sequence

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<220>
<223> Primer for PCR multiplication

<400> 141
aaccgctttg tcgataccac gtttcaggtc catcgggttc atgcccgcag caacagcttt 60
cagaccttca gtgatgatag cctgagccag tacggttgca gtggtggtac cgtcgcctgc 120

<210> 142
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 142
aaccgctttg tcgataccac gtttcaggtc 30

<210> 143
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 143
gtggtatcga caaagcggtt accgctgcag ttgaagaact gaaagcgctg tccgtaccat 60
gctctgactc taaagcgatt gctcaggttg gtaccatctc cgctaactcc gacgaaaccg 120

<210> 144
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 144
gtggtatcga caaagcggtt accgctgcag 30

<210> 145
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 145
tcaaccacgt ccagttcgtc ctgcagaccg gtaccgtctt caacggtgat aacgccttct 60
ttaccgactt tgtccatcgc ttcagcgatc agtttaccta cggtttcgtc ggaggttagcg 120

<210> 146
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

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<223> Primer for PCR multiplication

<400> 146  
tcaaccacgt ccagttcgtc ctgcagaccg 30

<210> 147  
<211> 120  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer for PCR multiplication

<400> 147  
gacgaactgg acgtggttga aggtatgcag ttcgaccgtg gctacctgtc tccttacttc 60  
atcaacaagc cggaaactgg cgcatagaa ctggaaagcc cgttcatcct gctggctgac 120

<210> 148  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer for PCR multiplication

<400> 148  
gacgaactgg acgtggttga aggtatgcag 30

<210> 149  
<211> 120  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer for PCR multiplication

<400> 149  
cttcgccttc tacatcttca gcgatgataa gcagcggttt gcctgctttg gcaacagctt 60  
ccagaaccgg cagcatttcg cggatgttgg agattttctt gtcagccagc aggatgaacg 120

<210> 150  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer for PCR multiplication

<400> 150  
cttcgccttc tacatcttca gcgatgataa 30

<210> 151  
<211> 120  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Primer for PCR multiplication

<400> 151  
tgaagatgta gaaggcgaag cgctggcaac tgctgttgtt aacaccattc gtggcatcgt 60

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gaaagtcgct gcggttaaag caccgggctt cggcgatcgt cgtaaagcta tgctgcagga 120

<210> 152  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR multiplication

<400> 152  
 tgaagatgta gaaggcgaag cgctggcaac 30

<210> 153  
 <211> 120  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR multiplication

<400> 153  
 cacaacacgt ttagcctgac ccaggctcttc cagggttgct ttttccagct ccataccgat 60  
 ctcttcagag atcacggtac cgccagtcag ggttgcgata tcctgcagca tagctttacg 120

<210> 154  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR multiplication

<400> 154  
 cacaacacgt ttagcctgac ccaggctcttc 30

<210> 155  
 <211> 120  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR multiplication

<400> 155  
 gtcaggctaa acgtgttgatg atcaacaaag acaccaccac tatcatcgat ggcgtgggtg 60  
 aagaagctgc aatccagggc cgtgttgctc agatccgtca gcagattgaa gaagcaactt 120

<210> 156  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR multiplication

<400> 156  
 gtcaggctaa acgtgttgatg atcaacaaag 30

<210> 157

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<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 157
tctttcattt caacttcggt agcagcaccc actttgataa ctgcaacgcc gcctgccagt 60
ttcgtacgc gttcctgcag tttttcacgg tcgtagtcag aagttgcttc ttcaatctgc 120

<210> 158
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 158
tctttcattt caacttcggt agcagcaccc 30

<210> 159
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 159
accgaagttg aaatgaaaga gaaaaaagca cgcgttgaag atgccctgca cgcgacccgt 60
gctgcggtag aagaaggcgt ggttgctggt ggtggtggtg cgctgatccg cgtagcgtct 120

<210> 160
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 160
accgaagttg aaatgaaaga gaaaaaagca 30

<210> 161
<211> 120
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR multiplication

<400> 161
agttcaatac gatctgacgc agcggagctt ccattgcacg cagtgcact ttgataccca 60
cgttctgggtc ttcgttctga ccacgcaggt cagccagttt agacgctacg cggatcagcg 120

<210> 162
<211> 30
<212> DNA

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<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 162

agttcaatac gatctgacgc agcggagctt 30

<210> 163

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 163

gcgtcagatc gtattgaact gcggcgaaga accgtctggt gttgctaaca ccgttaaagg 60

cggcgacggc aactacggtt acaacgcagc aaccgaagaa tacggcaaca tgatcgacat 120

<210> 164

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 164

gcgtcagatc gtattgaact gcggcgaaga 30

<210> 165

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 165

caggtcggta accatgcatt cggtggtgat catcaggcca gccacagaag ctgctgactg 60

cagagcagaa cgagttactt tgggtgggtc caggataccc atgtcgatca tgttgccgta 120

<210> 166

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

<400> 166

caggtcggta accatgcatt cggtggtgat 30

<210> 167

<211> 95

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for PCR multiplication

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<400> 167  
 ttacatcatg ccgcccattgc caccatgcc gccataccg ccagcagcgc ctaagtcagc 60  
 tgcattgttt ttcggcaggt cggtaacatt gcatt 95

<210> 168  
 <211> 30  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR multiplication

<400> 168  
 aggcctcag ttacatcatg ccgcccattgc 30

<210> 169  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer for PCR multiplication

<400> 169  
 ttacatcatg ccgcccattgc caccatgcc gcc 33

<210> 170  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> anodisk membrane-binding peptide

<400> 170  
 Tyr Ala Gln Thr Pro Pro Ser Arg  
 1 5

<210> 171  
 <211> 12  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> anodisk membrane-binding peptide

<400> 171  
 Leu Tyr Ala Gln Gln Thr Pro Pro Ser Arg Ser Arg  
 1 5 10

<210> 172  
 <211> 16  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> anodisk membrane-binding peptide

<400> 172  
 Val Tyr Ala Asn Gln Thr Pro Pro Ser Arg Ala Arg Ala Lys Ala Arg  
 1 5 10 15

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<210> 173
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> anodisk membrane-binding peptide

<400> 173
Val Tyr Ala Asn Gln Thr Pro Pro Ser Lys Ala Arg Tyr Ala Gln
 1           5           10           15
Thr Pro Pro Ser Arg
                20

<210> 174
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:170

<400> 174
gatcctatgc gcagactccg cttctcggg gtggaggttc ggagct      46

<210> 175
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:170

<400> 175
ccgaacctcc accccgagaa ggcggagtct gcgcatag      38

<210> 176
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:171

<400> 176
gatccctcta tgcgcaacag actccgcctt ctcggtctcg gggaggaggt tcggagct      58

<210> 177
<211> 50
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:171

<400> 177
ccgaacctcc accccgagac cgagaaggcg gagtctgttg cgcataagag      50

<210> 178
<211> 70
<212> DNA
<213> Artificial Sequence

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<220>
<223> Coding chain for peptide of SEQ ID:1

<400> 178
gatccgttta tgcgaatcag actccgcctt ctcgcgcacg cgcaaaggcg cggggtggag 60
gttcggagct 70

<210> 179
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:1

<400> 179
ccgaacctcc accccgcgcc tttgcgcgtg cgcgagaagg cggagtctga ttcgcataaa 60
cg 62

<210> 180
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> Coding chain for peptide of SEQ ID:1

<400> 180
gatccgttta tgcgaatcag actccgcctt ctaaggcgcg gtatgcgcag actccgcctt 60
ctcggggtgg aggttcggag ct 82

<210> 181
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<223> Complimentary chain for ssDNA of SEQ ID:1

<400> 181
ccgaacctcc accccgagaa ggcggagtct gcgcataccg cgccttagaa ggcggagtct 60
gattcgcata aacg 74

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